

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	32	(drilling adj fluid) and (2-ethylhexyl adj acrylate or 2-ethylhexylacrylate) and (acrylic adj acid) and copolymer	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2005/11/08 11:30
L2	7	(drilling adj fluid) and (vinyl adj neodecanoate or vinylneodecanoate)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2005/11/08 11:31
L3	7	(drilling adj fluid) and (vinyl adj neodecanoate or vinylneodecanoate)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2005/11/08 11:36
L4	5	("507"/\$3).ccls. and (vinyl adj neodecanoate or vinylneodecanoate)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2005/11/08 11:37
L5	0	("175"/\$3).ccls. and (vinyl adj neodecanoate or vinylneodecanoate)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2005/11/08 11:37
L6	2	("166"/\$6).ccls. and (vinyl adj neodecanoate or vinylneodecanoate)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2005/11/08 11:37
L7	5	4 or 6	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2005/11/08 11:37

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STN AnaVist, now available  
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NEWS 8 OCT 03 MATHDI removed from STN  
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to core patent offices  
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NEWS 12 OCT 17 STN(R) AnaVist(TM), Version 1.01, allows the export/download  
of CAPLUS documents for use in third-party analysis and  
visualization tools  
NEWS 13 OCT 27 Free KWIC format extended in full-text databases  
NEWS 14 OCT 27 DIOGENES content streamlined  
NEWS 15 OCT 27 EPFULL enhanced with additional content  
  
NEWS EXPRESS: JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005  
  
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FILE 'HOME' ENTERED AT 11:48:34 ON 08 NOV 2005

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'STNGUIDE' ENTERED AT 11:48:38 ON 08 NOV 2005

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FILE CONTAINS CURRENT INFORMATION.  
LAST RELOADED: Nov 4, 2005 (20051104/UP).

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.06	0.27

FILE 'CAPLUS' ENTERED AT 11:48:53 ON 08 NOV 2005  
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FILE COVERS 1907 - 8 Nov 2005 VOL 143 ISS 20  
FILE LAST UPDATED: 7 Nov 2005 (20051107/ED)

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<http://www.cas.org/infopolicy.html>

=> s 51000-52-3

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L2 36 L1

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.34	3.49

FILE 'CAPLUS' ENTERED AT 11:49:19 ON 08 NOV 2005  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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FILE COVERS 1907 - 8 Nov 2005 VOL 143 ISS 20  
FILE LAST UPDATED: 7 Nov 2005 (20051107/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.  
They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l2 and drilling fluid

29762 DRILLING

389971 FLUID

6099 DRILLING FLUID

(DRILLING(W) FLUID)

L3 1 L2 AND DRILLING FLUID

=> d l3

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:182505 CAPLUS

DN 140:202172

TI **Drilling fluid** and method for enhanced suspension

IN Miller, Jeff; Kirsner, Jeff

PA USA

SO U.S. Pat. Appl. Publ., 10 pp., Cont.-in-part of U.S. Ser. No. 292,124.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 6

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004043905	A1	20040304	US 2003-656684	20030905
	WO 2002053675	A1	20020711	WO 2000-US35609	20001229
	W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM	
	RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG	
	WO 2002053676	A1	20020711	WO 2000-US35610	20001229
	W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM	
	RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG	
	US 2003036484	A1	20030220	US 2001-929465	20010814
	US 2003064897	A1	20030403	US 2002-175272	20020619
	US 6887832	B2	20050503		
	US 2003144153	A1	20030731	US 2002-292124	20021112
	WO 2005026287	A1	20050324	WO 2004-US28399	20040901
	W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW	
	RW:			BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG	
PRAI	WO 2000-US35609	A2	20001229		
	WO 2000-US35610	A2	20001229		
	US 2001-929465	A2	20010814		
	US 2002-175272	A2	20020619		
	US 2002-292124	A2	20021112		

=> s 12 and subterranean

5269 SUBTERRANEAN

L4 0 L2 AND SUBTERRANEAN

=> s 12 and copolymer

572370 COPOLYMER

L5 14 L2 AND COPOLYMER

=> d 15 1-14

L5 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2005:632122 CAPLUS

DN 143:136047

TI Demulsifiers for blends of petroleum middle distillates and fuel oils of animal or vegetable origin

IN Siggelkow, Bettine; Reimann, Werner; Leinweber, Dirk; Neuhaus, Ulrike; Braun, Renate

PA Clariant GmbH, Germany

SO Eur. Pat. Appl., 18 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1555309	A1	20050720	EP 2004-30573	20041223
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU				
	DE 102004002080	A1	20050901	DE 2004-102004002080	20040115
	JP 2005200651	A2	20050728	JP 2005-6739	20050113
	CA 2493178	AA	20050715	CA 2005-2493178	20050114
	US 2005155282	A1	20050721	US 2005-36693	20050114
PRAI	DE 2004-102004002080	A	20040115		

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:1036406 CAPLUS

DN 142:27982

TI Jelly-type tooth-bleaching patch containing a peroxide and stabilizer

IN Lee, Sang-Ho

PA S. Korea

SO U.S. Pat. Appl. Publ., 9 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004241110	A1	20041202	US 2004-854542	20040526
PRAI	KR 2003-34927	A	20030530		

L5 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:980135 CAPLUS

DN 142:245577

TI Styling shampoo compositions containing acrylate copolymers and polyquaterniums and chitosan derivatives

IN Min, Du Sik; Park, Hyeon Sik; Son, Seong Gil

PA LG Household & Health Care Ltd., S. Korea

SO Repub. Korean Kongkae Taeho Kongbo, No pp. given

CODEN: KRXXA7

DT Patent

LA Korean

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	KR 2003046052	A	20030612	KR 2001-76369	20011204
PRAI	KR 2001-76369		20011204		

L5 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2004:182505 CAPLUS  
 DN 140:202172  
 TI Drilling fluid and method for enhanced suspension  
 IN Miller, Jeff; Kirsner, Jeff  
 PA USA  
 SO U.S. Pat. Appl. Publ., 10 pp., Cont.-in-part of U.S. Ser. No. 292,124.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN.CNT 6

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004043905	A1	20040304	US 2003-656684	20030905
	WO 2002053675	A1	20020711	WO 2000-US35609	20001229
	W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM	
	RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG	
	WO 2002053676	A1	20020711	WO 2000-US35610	20001229
	W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM	
	RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG	
	US 2003036484	A1	20030220	US 2001-929465	20010814
	US 2003064897	A1	20030403	US 2002-175272	20020619
	US 6887832	B2	20050503		
	US 2003144153	A1	20030731	US 2002-292124	20021112
	WO 2005026287	A1	20050324	WO 2004-US28399	20040901
	W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, VC, VN, YU, ZA, ZM, ZW	
	RW:			BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG	
PRAI	WO 2000-US35609	A2	20001229		
	WO 2000-US35610	A2	20001229		
	US 2001-929465	A2	20010814		
	US 2002-175272	A2	20020619		
	US 2002-292124	A2	20021112		
	US 2003-656684	A	20030905		

L5 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2004:19742 CAPLUS  
 DN 140:81876  
 TI Nail polish compositions containing polymers  
 IN Mougin, Nathalie; Lion, Bertrand; Vicic, Marco; Cazeneuve, Colette  
 PA L'oreal, Fr.  
 SO Fr. Demande, 19 pp.  
 CODEN: FRXXBL

DT Patent  
LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2841774	A1	20040109	FR 2002-8554	20020708
	EP 1380603	A1	20040114	EP 2003-291519	20030620
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	JP 2004035561	A2	20040205	JP 2003-271609	20030707
	US 2004071644	A1	20040415	US 2003-612920	20030707
PRAI	FR 2002-8554	A	20020708		
	US 2002-401026P	P	20020806		

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2002:239251 CAPLUS

DN 137:21361

TI Structure-property relationships in modified natural rubber latexes  
grafted with methyl methacrylate and vinyl neo-decanoate

AU Lee, Doug-Youn; Subramaniam, Nadaraja; Fellows, Christopher M.; Gilbert,  
Robert G.

CS Key Centre for Polymer Colloids, School of Chemistry, University of  
Sydney, NSW, 2006, Australia

SO Journal of Polymer Science, Part A: Polymer Chemistry (2002), 40(7),  
809-822

CODEN: JPACEC; ISSN: 0887-624X

PB John Wiley & Sons, Inc.

DT Journal

LA English

RE.CNT 57 THERE ARE 57 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2002:107409 CAPLUS

DN 136:135645

TI Production of chlorine-free polyolefin plastisols or organosols

IN Marinow, Slaweyko

PA Germany

SO PCT Int. Appl., 35 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002010235	A1	20020207	WO 2001-DE2797	20010724
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	DE 10048055	A1	20020214	DE 2000-10048055	20000928
	AU 2001078398	A5	20020213	AU 2001-78398	20010724
	EP 1332165	A1	20030806	EP 2001-956375	20010724
	EP 1332165	B1	20040915		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	AT 276291	E	20041015	AT 2001-956375	20010724
	ES 2227247	T3	20050401	ES 2001-1956375	20010724
	US 2003166754	A1	20030904	US 2003-343031	20030505
	US 6756450	B2	20040629		
PRAI	DE 2000-10036520	A	20000727		
	DE 2000-10048055	A	20000928		

WO 2001-DE2797 W 20010724  
RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2001:643364 CAPLUS  
DN 135:200162  
TI Use of stabilized starches in low VOC, polyacrylic acid-containing hair  
cosmetic compositions  
IN Vitale, Melissa J.; Tolchinsky, Maria; Martino, Gary T.; Solarek, Daniel  
B.; Cottrell, Ian W.  
PA National Starch and Chemical Investment Holding Corporation, USA  
SO U.S. Pat. Appl. Publ., 8 pp., Cont.-in-part of U.S. Ser. No. 57,826,  
abandoned.  
CODEN: USXXCO  
DT Patent  
LA English  
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2001018046	A1	20010830	US 1999-277784	19990329
	US 6562325	B2	20030513		
	BR 9917039	A	20011127	BR 1999-17039	19990407
	CA 2268693	AA	19991009	CA 1999-2268693	19990408
	NO 9901662	A	19991011	NO 1999-1662	19990408
	EP 948959	A2	19991013	EP 1999-106172	19990408
	EP 948959	A3	20011024		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	CN 1236607	A	19991201	CN 1999-107275	19990408
	MX 9903289	A	20000831	MX 1999-3289	19990408
	ZA 9902595	A	20001009	ZA 1999-2595	19990408
	AU 9923677	A1	19991021	AU 1999-23677	19990409
	AU 750250	B2	20020711		
	JP 11335248	A2	19991207	JP 1999-102433	19990409
	SG 74135	A1	20000718	SG 1999-1826	19990409
	NZ 335116	A	20000929	NZ 1999-335116	19990409
	TW 592722	B	20040621	TW 1999-88105729	19990525
PRAI	US 1998-57826	B2	19980409		
	US 1999-277784	A	19990329		

L5 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2000:290667 CAPLUS  
DN 133:43861  
TI Free-radical kinetics of grafting reactions for creating novel graft  
copolymers in emulsion polymerization  
AU Pham, Binh T. T.; Monteiro, Michael J.; Gilbert, Robert G.  
CS Key Centre for Polymer Colloids, School of Chemistry, Sydney University,  
NSW, 2006, Australia  
SO Macromolecular Symposia (2000), 150(Polymers in Dispersed Media), 155-160  
CODEN: MSYMEC; ISSN: 1022-1360  
PB Wiley-VCH Verlag GmbH  
DT Journal  
LA English

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1999:659023 CAPLUS  
DN 131:291034  
TI Nonionically derivatized starches and their use in non-aerosol, low  
volatile organic compound hair fixative compositions  
IN Vitale, Melissa J.; Tolchinsky, Maria; Martino, Gary T.; Solarek, Daniel  
B.; Cottrell, Ian W.  
PA National Starch and Chemical Investment Holding Corporation, USA  
SO Eur. Pat. Appl., 15 pp.  
CODEN: EPXXDW  
DT Patent  
LA English



FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 948960	A2	19991013	EP 1999-106173	19990408
	EP 948960	A3	20011024		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	US 6413505	B1	20020702	US 1999-280734	19990329
PRAI	US 1998-57825	A	19980409		
	US 1999-280734	A	19990329		

L5 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1999:659022 CAPLUS

DN 131:276764

TI Nonionically derivatized starches and their use in low VOC, polyacrylic acid-containing hair fixative compositions

IN Vitale, Melissa J.; Tolchinsky, Maria; Martino, Gary T.; Solarek, Daniel B.; Cottrell, Ian W.

PA National Starch and Chemical Investment Holding Corporation, USA

SO Eur. Pat. Appl., 10 pp.

CODEN: EPXXDW

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LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 948959	A2	19991013	EP 1999-106172	19990408
	EP 948959	A3	20011024		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	US 2001018046	A1	20010830	US 1999-277784	19990329
	US 6562325	B2	20030513		
PRAI	US 1998-57826	A	19980409		
	US 1999-277784	A	19990329		

L5 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1999:659021 CAPLUS

DN 131:291033

TI Non-ionically derivatized starches and their use in aerosol hair fixative compositions

IN Paul, Charles W.; Henley, Matthew J.; Altieri, Paul A.; Vitale, Melissa J.; Tolchinsky, Maria; Solarek, Daniel B.; Cottrell, Ian W.

PA National Starch and Chemical Investment Holding Corporation, USA

SO Eur. Pat. Appl., 17 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 948958	A2	19991013	EP 1999-106171	19990408
	EP 948958	A3	20011024		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	US 2001007655	A1	20010712	US 1999-280614	19990329
	US 6344183	B2	20020205		
PRAI	US 1998-57717	A	19980409		
	US 1999-280614	A	19990329		

L5 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1999:219957 CAPLUS

DN 130:257157

TI Improved hair spray and consumer sprays with reduced volatile organic compounds

IN Dobbs, Suzanne W.; Oldfield, Terry A.; Cook, Phillip M.; Bryan, William R.

PA Eastman Chemical Company, USA

SO PCT Int. Appl., 37 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9913836	A1	19990325	WO 1998-US19073	19980915
	W: BR, CN, JP, MX				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	EP 1014918	A1	20000705	EP 1998-948186	19980915
	R: DE, FR, GB				
	BR 9812251	A	20000718	BR 1998-12251	19980915
	US 6752983	B1	20040622	US 1998-153644	19980915
	MX 200002629	A	20001113	MX 2000-2629	20000315
	US 2004136936	A1	20040715	US 2003-686012	20031015
PRAI	US 1997-59764P	P	19970917		
	US 1998-71909P	P	19980120		
	US 1998-153644	A1	19980915		
	WO 1998-US19073	W	19980915		

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1980:410602 CAPLUS

DN 93:10602

TI Lubricating oil additive

IN Benda, Rainer; Knoell, Helmut; Neudoerfl, Peter; Pennewiss, Hans

PA Rohm G.m.b.H., Fed. Rep. Ger.

SO Ger. Offen., 17 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2835192	A1	19800306	DE 1978-2835192	19780811
	DE 2835192	C2	19861211		
	EP 8327	A1	19800305	EP 1979-101999	19790618
	EP 8327	B1	19820224		
	R: BE, FR, GB, NL				
	US 4282132	A	19810804	US 1979-63682	19790806
	JP 55025492	A2	19800223	JP 1979-101380	19790810
	JP 62016997	B4	19870415		
PRAI	DE 1978-2835192	A	19780811		

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L5 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

AB The fuel oil blend contains (1) a petroleum middle distillate-fuel oil, (2) a bio-fuel oil, and a small amount of (3) an oil-soluble crosslinked block copolymer (mol. weight of 1,000-200,000 g/mol) prepared from C2-4 alkylene oxides as a demulsifier. The 1/2 ratio in the blend is (1-99):(1-99). Addnl., the blend may also contain (a) an alkylphenol-formaldehyde resin, (b) a copolymer containing ethylene, vinyl acetate, optionally a vinyl ester with C3-12 alkyl groups, and C3-10 olefins, (c) an amine salt, imide, or amide of a primary and/or secondary C8-36 fatty amines, (d) a copolymer derived from amides, imides, and/or esters of maleic acid, fumaric acid, and/or itaconic acid, and/or (e) a comb polymer.

L5 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

AB The present invention relates to a tooth-bleaching patch, and more particularly, to a jelly-type tooth-bleaching patch which comprises a jelly-type adhesive containing a substance showing a tooth-bleaching effect. With this jelly-type adhesive, the tooth-bleaching patch is convenient to use, and it is flexibly attached to teeth in accordance with the teeth shape and prevents a tooth-bleaching agent from being excessively exposed to oral saliva, so that the tooth-bleaching agent can come in contact with the teeth at a sufficient concentration for a sufficient time to bleach the

teeth, so as to maximize its tooth-bleaching effect. The patch contains a peroxide such as  $H_2O_2$ , and a peroxide stabilizer such as Na stannate.

L5 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

AB A styling shampoo composition is provided to give improved styling functions, curl retention and arrangement simultaneously with rinsing activity. A styling shampoo composition contains 0.01-20 weight% of a styling polymer, 0.01-10 weight% of a chitosan derivative, and 0.01-30 weight% of an organic silicon resin variant. The styling polymer is one or more elements selected from the group consisting of copolymers of methacryloylethyl betaine/methacrylate, octylacrylamide/acrylates/butylaminoethyl methacrylate, PVP/VA, PVP/dimethylaminoethylmethacrylate, PVM/MA, acrylate, methacrylate, VA/crotonates/vinyl neodecanoate, and polyvinylpyrrolidone, Et or Bu ester of PVM/MA, polyquaternium-11, and polyquaternium-46. The chitosan derivative is one or more elements selected from the group consisting of polyoxyalkylene chitosan, carboxymethyl chitosan, dihydroxypropyl chitosan, and N-2-hydroxypropylsulfonic acid chitosan.

L5 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

AB An efficient oil based drilling fluid is provided that includes a polymer additive effective at imparting suspension characteristics without the presence of organophilic clays, while also providing filtration control. The fluid is shear thinning and has good fluid rheol. over a broad temperature range. A preferred polymer for the additive is substantially linear and comprises mostly hydrophobic monomers and some hydrophilic monomers such as, for example, an emulsion **copolymer** of 2-ethylhexyl acrylate and acrylic acid.

L5 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

AB A nail polish composition contains a film-forming polymer and has good adhesion to the nail. Thus, a polymer was prepared by reacting acrylic acid with iso-Bu acrylate and tert-Bu acrylate in the presence of Trigonox-141 in a 70:30 mixture of BuOAc and EtOAc. The mol. weight and the glass transition temperature of the polymer were determined. A nail polish was prepared containing the above polymer.

L5 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

AB A series of modified natural rubber latexes (NRLs) grafted with poly(Me methacrylate) (PMMA) were prepared by seeded emulsion polymerization with NRL as the seed polymer. Two different redox systems, cumene hydroperoxide (CHP)/tetraethylenepentamine (TEPA) and tert-Bu hydroperoxide (t-BHP)/TEPA, were used to initiate polymerization, and phase mixing was promoted by the addition of vinyl neodecanoate (VneoD). The CHP/TEPA system was more efficient than t-BHP/TEPA for the grafting of secondary polymers in modified natural rubber (MNR). The enhanced phase mixing in the presence of VneoD was attributed to the solubility parameter of the VneoD-rich Me methacrylate-VneoD **copolymer** formed late in the reaction, lying between that of PMMA and MNR, and the extent to which this polymer was grafted to the NR backbone. The viscoelastic properties of the polymers were investigated as a function of composition, temperature, and frequency; changes in viscoelastic behavior consistent with the presence of a high-Tg PMMA phase (where Tg is the glass-transition temperature) were observed. This suggested a degree of phase mixing that increased with increasing VneoD content and increasing flux of oxygen-centered radicals within the MNR particles. More phase mixing resulted in poorer film formation, which was consistent with the localization of a high-Tg secondary polymer phase near the particle surface. The apparent concentration of PMMA near the surface of the particles was also observed with transmission electron microscopy. The localization of PMMA near the particle surfaces was consistent with the presumed locus of radical generation in these systems: the redox couple used to initiate the polymerization consisted of an oil-soluble hydroperoxide and a water-soluble amine that reacted predominantly at the water/particle interface. The viscoelastic properties of the modified NRLs that were prepared suggest that these synthetic procedures provide a means of controlling phase mixing and branching, such as for improving the suitability of these modified rubbers in pressure-sensitive-adhesive formulations.

L5 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

AB The title products, which retain the good properties of PVC plastisols and organosols, are prepared by polymerization of 60-800 parts monomers, oligomers, and/or prepolymers in the presence of 100 parts fine polyolefin dispersion, initiators, and, optionally, fillers. Kneading a 90:10 mixture of acrylic acid-C2H4 **copolymer**-maleated EPDM 100, bisphenol A epoxy resin (epoxy equivalent weight 875) 43, and 1:1 hexanediol diglycidyl ether (I)-C12-14 alc. glycidyl ether 43 parts gave a dispersion which was kneaded (186 parts) with the glycidyl ether mixture 108, I 74, diisononyl phthalate 29, CaCO<sub>3</sub> 80, dicyandiamide 17, and additives 6.08 parts at ≤70° to give a plastisol which could be gelled at 150° in 30 min to a smooth, elastic, adherent coating.

L5 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

AB The present invention is directed to a low volatile organic compds. (VOC), non-aerosol, polyacrylic acid containing hair cosmetic compns. which contain nonionically derivatized starches, particularly those derivatized by alkylene oxides. The derivatized starch may be hydrolyzed, particularly enzymically hydrolyzed by at least one endo-enzyme. In addition, the starch may be cationically modified with a low degree of substitution. Use of such starches is novel and advantageous in that they are compatible with polyacrylic acid, providing a clear, solution with a stable viscosity. Further, the resultant composition provides a clear film which is not tacky, good stiffness, and improved humidity resistance. A propylene oxide-modified starch having a viscosity of 70,000-90,000 cps was prepared. A hair gel contained above starch 3.0, Carbopol 0.6, triethanolamine 0.6, and water q.s. 95.8%.

L5 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

AB The polymerization of vinyl neo-decanoate in the presence of polybutadiene has been studied. The rate of transfer to polymer has been determined, and has been found to be very high, resulting in the formation of a highly grafted **copolymer**.

L5 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

AB The present invention is directed to low VOC, non-aerosol hair cosmetic compns., which contain nonionically modified starches. The starch may be addnl. hydrolyzed particularly enzymically hydrolyzed. Further, the starch may be modified using ionic substituents. Use of such starches is novel and advantageous in that they provide a clear solution with a low viscosity, and good pump spray characteristics. Further, the resultant composition provides a clear film which is not tacky, good stiffness, and improved humidity resistance. A solution of 5 g PVP in 900 of water was added to 100 amylose corn starch which was modified by propylene oxide and neutralized. The slurry was heated at 150-155° and spray dried. Hair spray solution containing the above modified starch 5 and water 95% was prepared

L5 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

AB A low VOC, non-aerosol, polyacrylic acid-containing hair cosmetic compns. which contain nonionically derivatized starches, particularly those derivatized by alkylene oxides are disclosed. The derivatized starch may be hydrolyzed, particularly enzymically hydrolyzed by at least one endo-enzyme. In addition, the starch may be acid cationically modified with a low degree of substitution. Use of such starches is novel and advantageous in that they are compatible with polyacrylic acid, providing a clear, solution with a stable viscosity. Further, the resultant composition provides a clear film which is not tacky, good stiffness, and improved humidity resistance. A 40% solution of starch modified with propylene oxide was treated with 2.5% 3-chloro-2-hydroxypropyltrimethyl ammonium chloride followed by adjustment of pH to 5.5 and heating until fully gelatinized, cooled, filtered, and neutralized by 2-amino-2-methyl-1-propanol. A hair gel contained above starch 3.0, Carbopol 0.6, triethanolamine 0.6, and water 95.8%.

L5 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

AB Low volatile organic compound aerosol hair cosmetic compns. which contain nonionically derivatized starches optionally hydrolyzed and/or ionically modified are disclosed. Such compns. provide a clear solution with a low viscosity, good spray characteristics, a clear, non-tacky film, good

stiffness, and improved humidity resistance. A 40% aqueous solution of waxy starch was prepared and mixed with 25% sodium sulfate solution, the pH was then adjusted to 11.5. The mixture was treated with 7.5% propylene oxide and the pH was adjusted to 5.5. A solution of 5 g PVP in 900 g of water was added to 100 g of starch solution and heated at 150-155°, then spray dried and neutralized with 2-amino-2-methyl-1-propanol. A hair spray solution contained above starch 7.5, di-Me ether 5, propellant 33 and water 62%.

L5 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

AB A consumer article comprising a hand-held spray container, and a sprayable composition contained within the spray container comprising ethanol or isopropanol and Me acetate or t-Bu acetate, a hair care composition comprising a fixative, ethanol, and Me acetate or t-Bu acetate, and a method of fixing hair comprising spraying the compns. of this invention onto hair. A hair spray contained Balance 47 (an acrylic polymer) 4.0, SD alc. 40 80.0, Me acetate 15.2, AMP-95 0.8. The spray had clear appearance and had good performance on the hair.

L5 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

AB Polymers useful as viscosity index improvers, etc., for lubricating oils are prepared by polymerizing styrene and/or alkyl (meth)acrylates with hydrogenated diene-styrene polymers and then grafting with hydrophobizing vinyl esters and/or heterocyclic monomers. Thus, adding C12-18-alkyl methacrylate (I) 174.9, styrene 116.6, and tert-Bu peroctanoate (II) 1.75 g over 3.5 h to I 42.0, styrene 28.0, hydrogenated 54:46 isoprene-styrene polymer 63.8, II 1.12, and mineral oil (viscosity 5.3 mm<sup>2</sup>/s at 100°) 574.5 g stirred at 90°, stirring 4.5 h with addition of 0.58 g II after 2 h, adding vinylpyrrolidone 13.2, vinylimidazole 4.4, vinyl neodecanoate 21.9, and BzOOBu-tert 1.2 g, and stirring 6 h at 130° with addition of 0.56 g BzOOBu-tert after 1, 2, 3, and 4 h gives a solution of polymer containing 0.38% N which when diluted with mineral oil to 10% has viscosity 13.93 mm<sup>2</sup>/s at 100° and shear stability index (DIN 51 382) 19.